



SPYWOLF

Security Audit Report



Completed on
June 30, 2022

MADE IN USA 

 @SPYWOLFNETWORK

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 SPYWOLF.CO



OVERVIEW

This audit has been prepared for **iDot Finance** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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iDot Finance



iDot
Finance

PROJECT DESCRIPTION

According to their whitepaper:

iDot Finance combine Halving Process, Tax Reflection, Tax Referral, Staking process on Proof of Hold combined with Auto-Compounding into your wallet.

iDot Protocol will be known as Proof of Hold & Hold to Earn.

Release Date: Presale starts on July, 2022

Category: Rebase / Hold to earn



CONTRACT INFO

Token Name
iDot Finance

Symbol
IDOT

Contract Address

0x9650Fd508E47c0f8787237f06E293fc299332603

Network

Binance Smart Chain

Language

Solidity

Deployment Date

June 24, 2022

Verified?

Yes

Total Supply

1,450,000

Status

Not launched

TAXES

Buy Tax
10.6%

Sell Tax
14.6%

*Taxes cannot be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of June 30, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:
Not Launched!

MaxTxAmount
No limit

DEX:
PancakeSwap

LP Address(es)

Liquidity not added yet



TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	1450000 IDOT
Median Transfer Amount	1450000 IDOT
Average Transfer Amount	1450000 IDOT
First transfer date	2022-06-24
Last transfer date	2022-06-24
Days token transferred	1

SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2022-06-24 16:11:23 UTC
Created	2022-06-24 16:11:23 UTC
Create TX	0x5e3ccefb6a82e695e90cd6e5416d333deeab9c8bac3d83cfd6ca119fb3ebefaa
Creator	0xd784d85662cc9e48fc43dc9dee1371cb967adc56



FEATURED WALLETS

Owner address	0xd784d85662cc9e48fc43dc9dee1371cb967adc56
Automatic LP fund	Same as owner
Obsidium capital fund	0xc005ef0ebf220e3824a5739f5085885dc8a00115
Rebase pool fund	0xc20a0221ce396c26989b8bd5c6ed91e8b6691213
Sell fee fund	0x88af6d47b53a0acb54fccb160cfc7eb587fdbf1d
LP address	Liquidity not added yet

TOP 3 UNLOCKED WALLETS

1



Same as owner



Tokens are not distributed yet



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

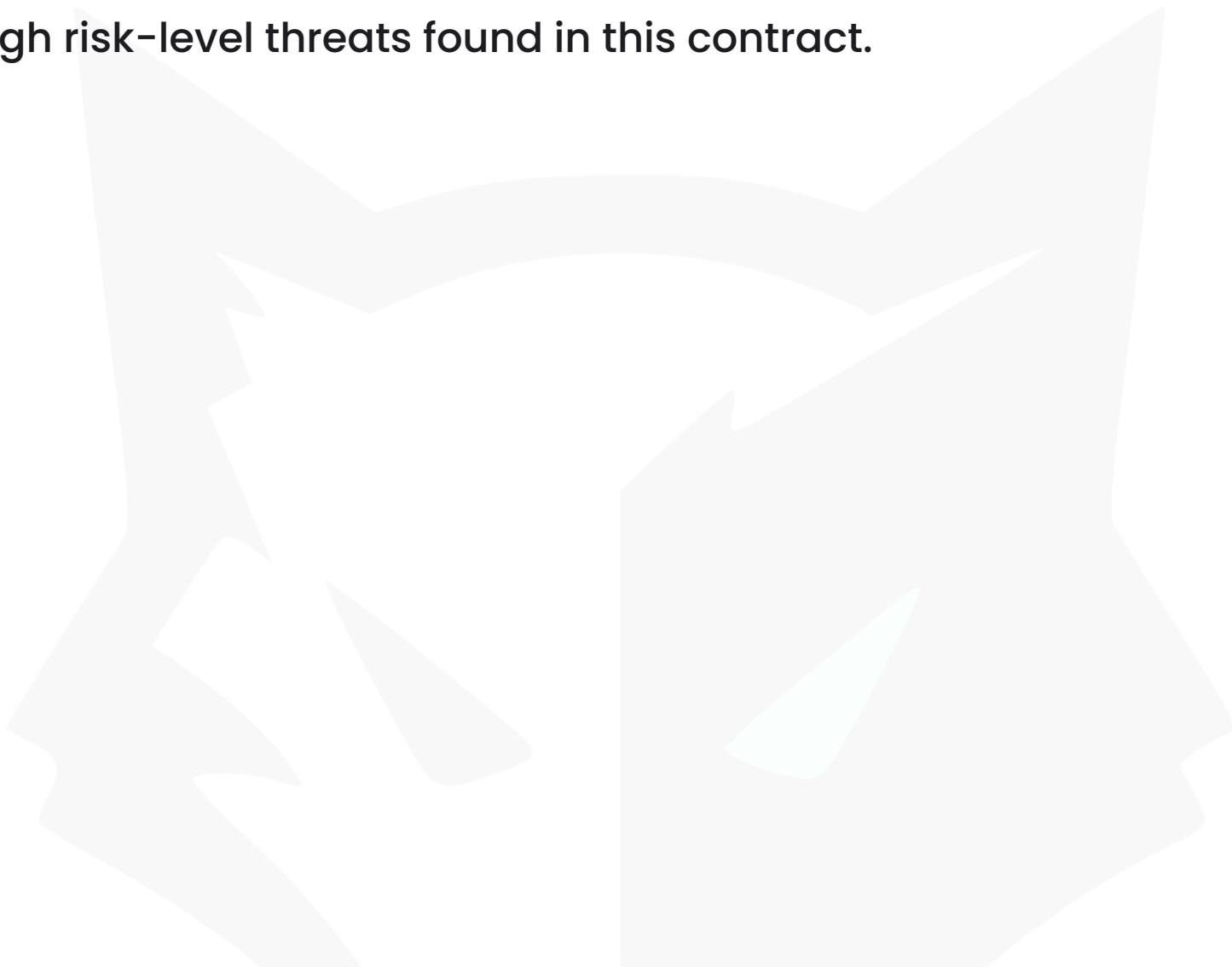
Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

High Risk

No high risk-level threats found in this contract.



- Recommendation:
 - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque libero nisl, consequat id malesuada eget, laoreet quis lacus. Vestibulum accumsan ex turpis, sed accumsan odio vulputate vitae. In quis lobortis ligula, a vehicula quam.



FOUND THREATS

⚠ Medium Risk

Owner can blacklist only contracts.
If liquidity pair is blacklisted, this will lead to inability to trade.

```
function setBotBlacklist(address _botAddress, bool _flag) external authorized {  
    require(isContract(_botAddress), "Only contract address, not allowed externally owned account");  
    blacklist[_botAddress] = _flag;  
}
```

Owner can add referrals to address.

```
function addMember(address uplineAddress, address downlineAddress) external onlyOwner{  
    downlineLookupUpline[downlineAddress] = uplineAddress;  
}
```

- Recommendation:
 - Considered as good wallet restrictions practice is that liquidity pair is always excluded from such practices.



⚠ Low Risk

Owner can turn on and off rebase.

```
function setAutoRebase(bool _flag) external authorized {
    if (_flag) {
        _autoRebase = _flag;
        _lastRebasedTime = block.timestamp;
    } else {
        _autoRebase = _flag;
    }
}

function shouldRebase() internal view returns (bool) {
    return
        _autoRebase &&
        (_totalSupply < MAX_SUPPLY) &&
        msg.sender != pair &&
        !inSwap &&
        block.timestamp >= (_lastRebasedTime + 60 minutes);
}
```



Informational

This is rebase token with changing supply up to 14,500,000.
Current supply is 1,450,000.

```
uint256 private constant INITIAL_FRAGMENTS_SUPPLY = 1450000 * 10**DECIMALS;  
uint256 private constant MAX_SUPPLY = 14500000 * 10**DECIMALS;  
  
function shouldRebase() internal view returns (bool) {  
    return  
        _autoRebase &&  
        (_totalSupply < MAX_SUPPLY) &&  
        msg.sender != pair &&  
        !inSwap &&  
        block.timestamp >= (_lastRebasedTime + 60 minutes);  
}
```

Owner can withdraw accumulated bnb tokens from the contract.

```
function clearStuckBalance(uint256 amountPercentage) external authorized {  
    uint256 amountBNB = address(this).balance;  
    payable(obsidiumCapitalFund).transfer(amountBNB * amountPercentage / 100);  
}
```




RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

iDot Finance

GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner can set a transaction limit, but can't lower it than 1% of total supply
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



⚠ There is no information about the initial tokens distribution based on the project's whitepaper and/or website.

TOKENOMICS



THE TEAM

! The team is
anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

url

Domain Registry

<https://www.godaddy.com>

Domain Expiration

May 3, 2025

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Very nice color scheme and overall layout.

Content

The information helps new investors understand what the product does right away. No grammar errors found. .

Whitepaper

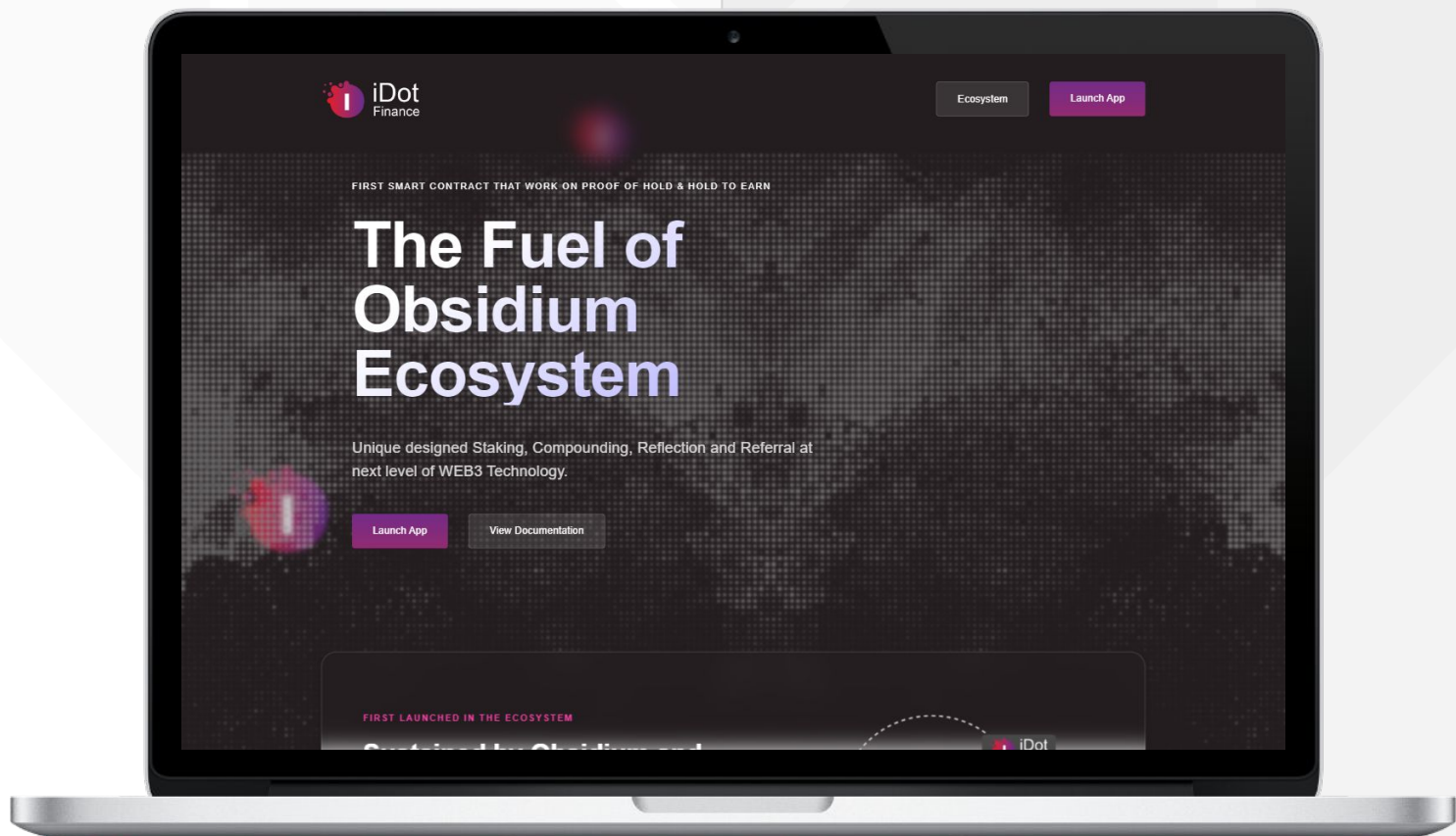
Well written but a bit short

Roadmap

Yes

Mobile-friendly?

Yes



idot.finance

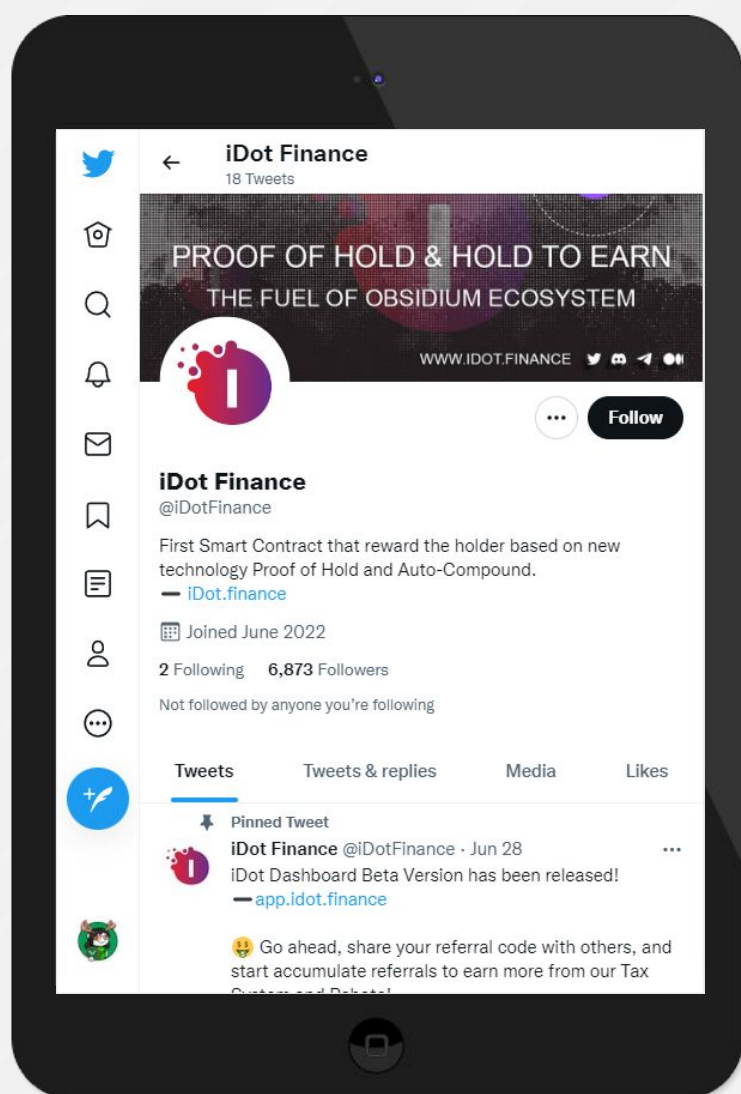


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project's social media presence is relatively new (few days old). The mods are active, but there are few organic interaction, and bot-like behaviors were detected ⚠️.



Twitter

@iDotFinance

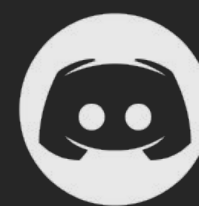
- 6,873 followers
- Recently active - 18 tweets, last one June 28
- Few active followers - doesn't correspond to followers number ⚠️



Telegram

@iDotFinance

- 919 members
- Active mods/team
- Organic interactions



Discord

<https://discord.com/invite/obsidiumcc>

- 660 members
- Active mods/team
- Few interactions, bot-like in majority ⚠️



Medium

Medium link here

- Not available



SPYWOLF

CRYPTO SECURITY

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Contract Development

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We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.